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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/711,612	09/28/2004	Daniel Alec Gulkis	2006579-0316	5611

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CHOATE, HALL & STEWART / CITRIX SYSTEMS, INC.
TWO INTERNATIONAL PLACE
BOSTON, MA 02110

EXAMINER

TRUONG, LECHI

ART UNIT	PAPER NUMBER
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2194

MAIL DATE	DELIVERY MODE
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11/15/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/711,612

Applicant(s)

GULKIS, DANIEL ALEC

Examiner

LeChi Truong

Art Unit

2194

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 September 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-40 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


WILLIAM THOMSON
SUPERVISORY PATENT EXAMINER

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 01/20/2006.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-40 are presented for the examination.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

2. Claims 1-16, 24-26 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

a. The following terms lack proper antecedent basis:

“The issued event” – claims 1, 24;

Claim Objections

3. Claims 1- 40 are objected to because of the following informalities: the number must be presented from beginning of each claim to show the claim number. Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole

would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 5, 8-11, 16-18, 20, 22, 23, 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Leone (US 2004/0100651 A1) in view of Leurig (US. 20030014368).

As to claim 1, Leone teaches the invention substantially as claimed including: image acquisition devices(network printer 24, para[0027], ln 20-26/ para[0031], ln 1-6/ Fig. 3), a client(client, para[0031], ln 1-6/ Fig. 3) a presentation-level protocol(an HTTP server 48, para[0030], ln 4-10/ Fig. 3, providing a client communicating with a server using a presentation-level protocol(para[0030], ln 15-23), a proxy application(print proxy applet 38, para[0034], ln 1-10/ Fig. 3), an application executing on a server(processing application 46, para[0034], ln 1-10), said client executing a proxy application associated with an application executing on a server(para[0034], ln 1-10); a command(the print specification command, para[0030], ln 18-23/ the print-ready data stream, para[0030], ln 18-23), receiving at said proxy application, from a server via a network, a command directed to an image-acquisition device associated with the client(para[0030], ln 18-13 to para[0031], ln 1-5); issuing the received command to the associated image-acquisition device(para[0031], ln 1-5).

Leone does not explicitly teach receiving, from the image-acquisition device, a response to an issued event transmitting to the server via a network, the received response. However, Leurig teaches a response to an issued event transmitting to the server via a network, the received response (After the data file is prepared at server 104, the file is securely downloaded to

client 108 (step 318) for further processing. Client computer 108 suitably decrypts and/or decompresses the data file, as appropriate, and converts the data file into a format that is appropriate for printing such as POSTSCRIPT format or another format that is understood by printer 110 (step 332). Client computer 108 may further encrypt and/or compress the resultant printable file with DES or another encryption routine prior to transmittal to printer 110, para [0047], ln 1-11/ client computer 108 communicates with printer 110 via a secure connection that is encrypted by DES, SSL or other cryptographic techniques. After printing is complete, printer 110 provides a status response (step 322) to client system 108, which in turn provides a status report to server 104 (step 324) to complete the transaction, para[0048], ln 5-9).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to modify the teaching of Leone with Leurig to incorporate the feature of receiving, from the image-acquisition device, a response to a issued event transmitting to the server via a network, the received response because this allows an administrator at a central location to approve checks the printer that are subsequently printed at remote locations.

As to claim 5, Leurig teaches directly issuing to the image-acquisition device a command based on the received command (para [0047], ln 1-11).

As to claim 8, Leurig teaches from a second server via the network(document management servers may be connected over the same network N, para[0020], ln 1-7) and Leone teaches command directed to the image-acquisition device associated with the client(para[0030], ln 18-13 to para[0031], ln 1-5).

As to claim 9, Leone teaches receiving, from the server via the network, a second command directed to a second image-acquisition device associated with the client (para [005], ln 12-18).

As to claim 10, Leurig teaches a second server via the network (document management servers may be connected over the same network N, para[0020], ln 1-7), a second image-acquisition device associated with the client (para[0016], ln 9-10).

As to claim 11, Leurig teaches receiving, from the image-acquisition device, data representing an image (para [0047], ln 1-11).

As to claim 16, Leone teaches determining whether to transmit the received input to the server (para [0016], ln 9-13).

As to claim 17, it is an apparatus claim of claim 1; therefore, it is rejected for the same reason as claim 1 above. In additional, Leone teaches receiving, from a client via a network, an image acquisition event; providing the received event to an application program associated with the event; receiving, from the application program, a response to the transmitted event (para [0016], ln 1-14/ para [0018], ln 7-15).

As to claim 18, Leone teaches determining, from the received event, an application program associated with the received event; and (b-2) providing the received event to the determined application program (Para [0034], ln 1-15).

As to claims 20, 22, Leone teaches receiving from a client data represented and image acquired/ event (para [0016], ln 4-12).

As to claim 23, Leurig teaches providing event received from the second client to second instances of application program associated with the event (para [0047], ln 1-11).

As to claim 24, it is an apparatus claim of claim 1; therefore, it is rejected for the same reason as claim 1 above.

5. Claims **2, 25** are rejected under 35 U.S.C. 103(a) as being unpatentable over Leone (US 2004/0100651 A1) in view of Leurig (US. 20030014368), as applied to claim 1 above, and further in view of Wei (US 6654784 B1).

As to client 2, Leone and Leurig do not teach the group consisting of ICA, RDP and X-WINDOWS. However, Wei teaches (The communication between client and server is through well-established protocols, such as X-Windows Protocol, Microsoft Remote Display Protocol (RDP) or Citrix Independent Computing Architecture (ICA), col 2, ln 58-65) .

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to modify the teaching of Leone and Leurig with Wei to incorporate the feature of ICA, RDP and X-WINDOWS because this improves the communication between client and server through the well-established protocols.

As to claim 25, it is an apparatus claim of claim 2; therefore, it is rejected for the same reason as claim 2 above.

6. Claims **3, 4, 19, 26, 27, 28, 29, 32-35, 40** are rejected under 35 U.S.C. 103(a) as being unpatentable over Leone (US 2004/0100651 A1) in view of Leurig(US. 20030014368), as applied to claim 1 above, and further in view of (APA) Admitted Prior Art.

As to claim 3, Leone and Leurig do not teach the image-acquisition device a TWAIN API call.

However, APA teaches image-acquisition device a TWAIN API call (Twain is a standard framework for imaging applications. The applications call a well-known API to control document scanners, para [0002], ln 1-5).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to modify the teaching of Leone and Leurig with APA to incorporate the feature of a TWAIN API call because this provides a quick and easy way for developers to capture image from the entire compliant scanner.

As to claim 4, APA teaches issuing to the image-acquisition device a device driver call based on the received command, para [0003], ln 4-8).

As to claims 19, 26, 27, 28, 29 they are apparatus claims of claims 1, 3, 4; therefore, they are rejected for the same reasons as claims 1, 3, 4 above.

As to claims 32-35, 40, they are apparatus claims of claims 1, 5, 8-12, 16; therefore, they are rejected for the same reasons as claims 1, 5, 8-12, 16 above.

7. Claims **6, 7, 30-31** are rejected under 35 U.S.C. 103(a) as being unpatentable over Leone (US 2004/0100651 A1) in view of Leurig (US. 20030014368), as applied to claim 1 above, and further in view of Peterson (US 7095905).

As to claim 6, Leone and Leurig do not teach the issued command including an indication to suppress display of a dialog box to a user. However, Peterson teaches the issued

command including an indication to suppress display of a dialog box to a user(the network server 42 transmits the web page 70 to a user on client computer 14, 16, 18 to allow the user to send images 11 to the server 12. The user may add images to the web page by clicking on an add button 72. The web page 70 includes images 11a-11d that have been added to the web page 70 using the add button 72. The images 11a-11d depicts overlapping segments of a view of a tree. The user may transmit each of the images 11a-11d by clicking on an upload button 74a-74d that corresponds to the image, col 4, ln 25-35, Fig. 2).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to modify the teaching of Leone and Leurig with Peterson to incorporate the feature of the issued command including an indication to suppress display of a dialog box to a user this allows users at different locations to collaborate the panoramic images.

As to claim 7, Peterson teaches displaying a second dialog box to a user in lieu of the suppressed dialog box (col 4, ln 25-4).

As to claims 30-31, they are apparatus claims of claims 6-7; therefore, they are rejected for the same reasons as claims 6-7 above.

8. Claims **12-15, 21** are rejected under 35 U.S.C. 103(a) as being unpatentable over Leone (US 2004/0100651 A1) in view of Leurig(US. 20030014368),as applied to claim 1 above, and further in view of Dellert(US 5267051).

As to claim 12, Leone and Leurig do not teach compressed image data. However, Dellert teaches compressed image data (two-dimensional image compression, col 4, ln 28-30).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to modify the teaching of Leone and Leurig with Dellert to incorporate the feature of compressed image data because this provides high speed data communication of the imagery data over a digital communication link.

As to claim 13, Dellert teaches determining that the image data comprises more than one bit for each pixel location prior to transmitting (col 3, ln 1-10).

As to claim 14, Dellert teaches compressing the image data using a first compression algorithm to form first compressed image data; compressing the image data using a second compression algorithm to form second compressed image data (col 2, ln 5-10), selecting for transmission the smaller of the first compressed image data and the second compressed image data (col 5, ln 25-30).

As to claim 15, Dellert teaches compressing compressed image data during transmission (col 5, ln 25-30).

As to claim 21, Dellert teaches decompressing the received image acquisition data (col 2, ln 25-30).

8. Claims **36-39** are rejected under 35 U.S.C. 103(a) as being unpatentable over Leone (US 2004/0100651 A1) in view of Leurig(US. 20030014368) in view of Admitted Prior Art(APA),as applied to claim 27 above, and further in view of Dellert(US 5267051).

As to claim 36, Leone, Leurig and APP do not teach determining that the image data comprises more than one bit for each pixel location prior to transmitting. However, Dellert

teaches determining that the image data comprises more than one bit for each pixel location prior to transmitting (col 3, ln 1-10).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to modify the teaching of Leone, Leurig, APA with Dellert to incorporate determining that the image data comprises more than one bit for each pixel location prior to transmitting because this provides high speed data communication of the imagery data over a digital communication link

As to claim 37, Dellert teaches compressed image data (two-dimensional image compression, col 4, ln 28-30).

As to claim 38, Delbert teaches compressing the image data using a first compression algorithm to form first compressed image data; compressing the image data using a second compression algorithm to form second compressed image data (col 2, ln 5-10), selecting for transmission the smaller of the first compressed image data and the second compressed image data (col 5, ln 25-30).

As to claim 39, Dellert teaches compressing compressed image data during transmission (col 5, ln 25-30).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (571) 272 3767. The examiner can normally be reached on 8 - 5.

Application/Control Number:
10/711,612
Art Unit: 2194

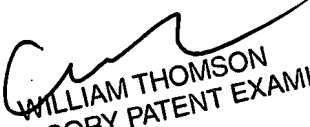
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomson, William can be reached on (571) 272 3718. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

LeChi Truong

November 13, 2007


WILLIAM THOMSON
SUPERVISORY PATENT EXAMINER